

Title (en)

Method for converting thermal energy into mechanical work

Title (de)

Method for converting thermal energy into mechanical work

Title (fr)

Procede de conversion d'energie thermique en energie mecanique

Publication

EP 2105610 A1 20090930 (EN)

Application

EP 08102877 A 20080325

Priority

EP 08102877 A 20080325

Abstract (en)

The present invention relates to a method for converting thermal energy into mechanical work with the following steps: - pressurizing a hydraulic medium in a hydraulic circuit (100); - converting the pressure of the hydraulic medium into mechanical work; High efficiency with a high flexibility can be achieved in that the hydraulic medium is pressurized in bladder accumulators (17, 27, 37, 47) by the pressure of a working medium circulating in a driving circuit which expands due to a rise in temperature induced by heat transfer to the bladder accumulators (17, 27, 37, 47). The present invention further relates to an apparatus for performing the method.

IPC 8 full level

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CPC (source: EP US)

F01K 27/005 (2013.01 - EP); **F03G 7/04** (2013.01 - EP US); **F03G 7/06** (2013.01 - EP); **F03G 7/06113** (2021.08 - US)

Citation (applicant)

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Citation (search report)

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Citation (third parties)

Third party :

WO 03081011 A1 20031002 - LEWELLIN RICHARD LAURANCE [AU]

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EP2312131A3; CN102182662A; US2015315009A1; US9476636B2

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Designated extension state (EPC)

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